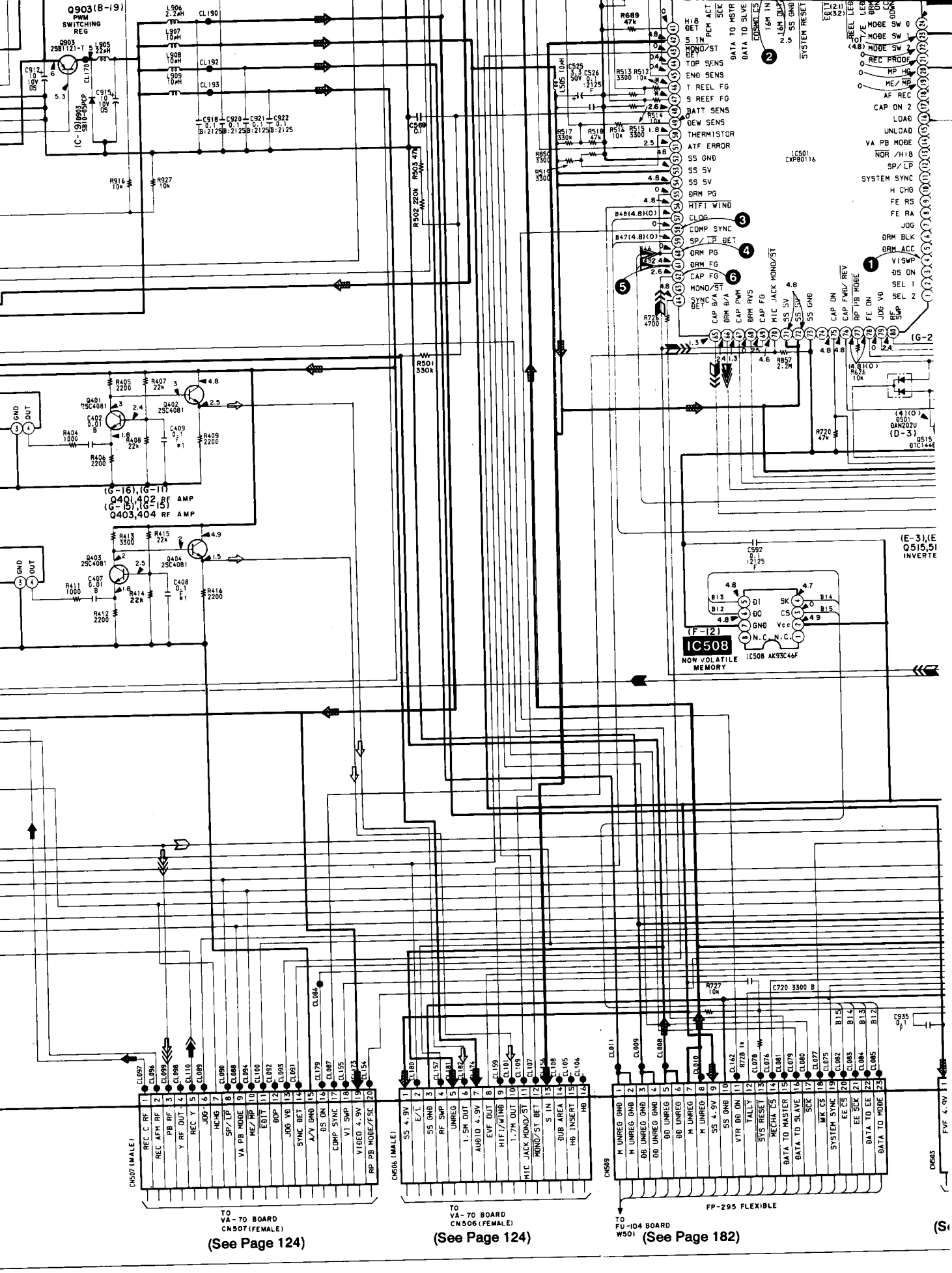
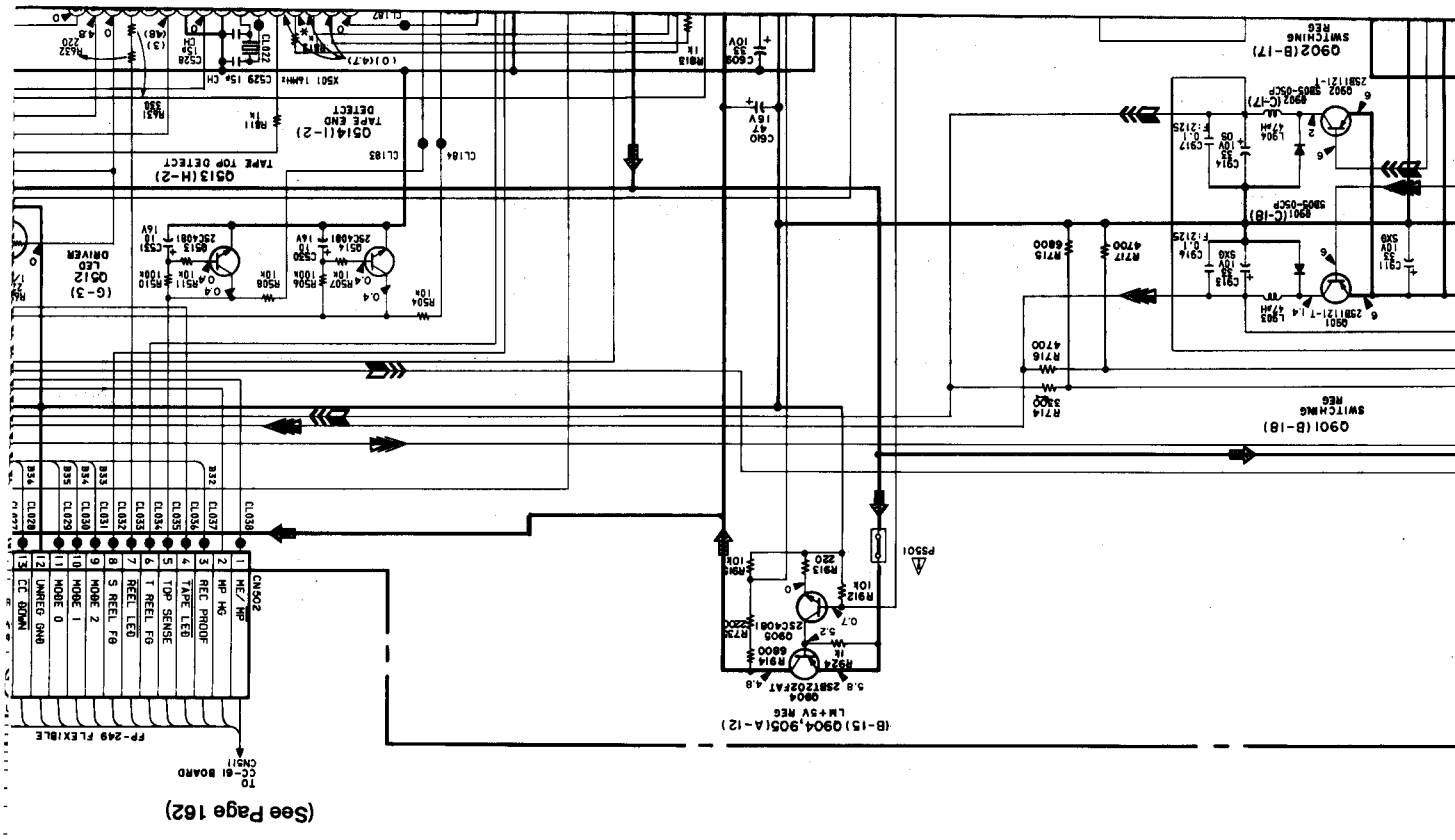
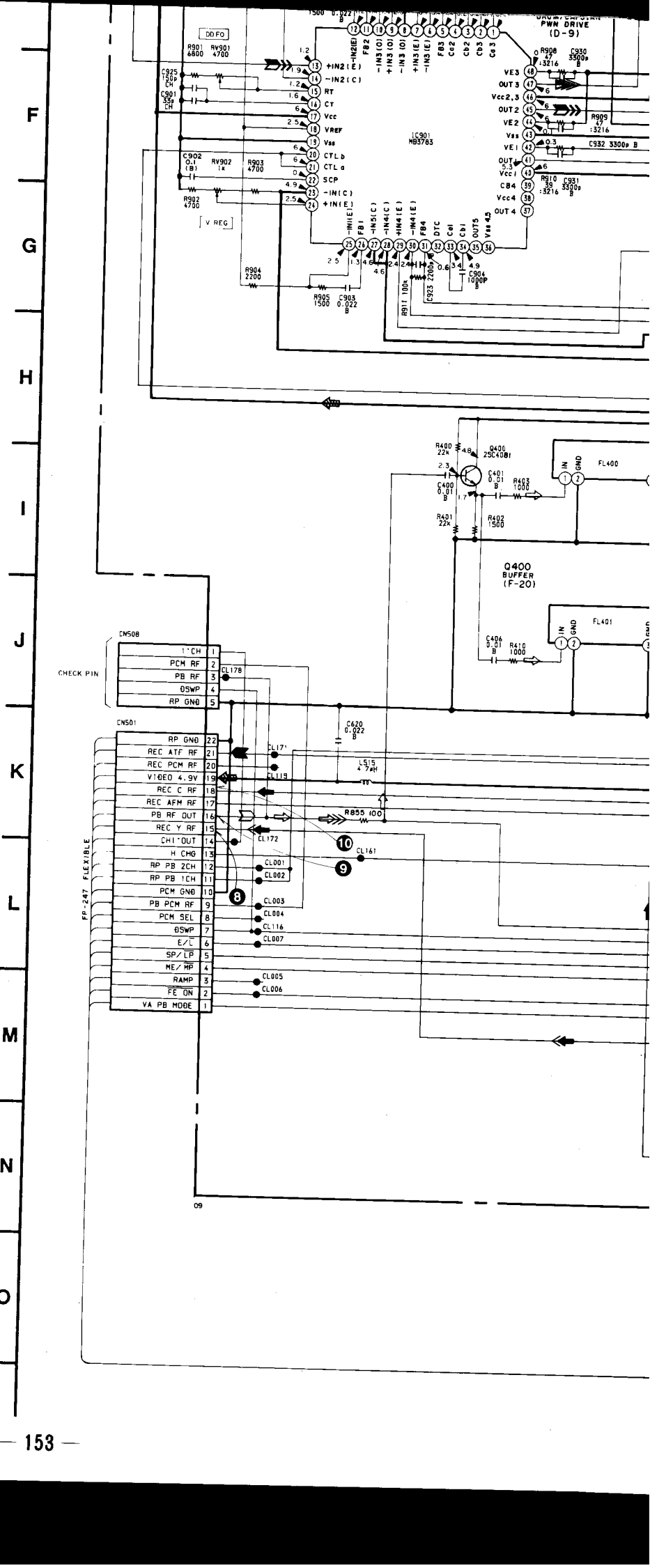

Q903(B-19)
PWM SWITCHING REG
IC501
CXP80116
IC508
NON VOLATILE MEMORY
IC508 AK93C46F
(G-16),(G-11)
Q401,402 RF AMP
(G-15),(G-15)
Q403,404 RF AMP
(F-12)
(E-3),(E
Q515,51
INVERTE
(G-2
(D-3)
Q515
DTC144E
DAN202U
Q501
TO
VA-70 BOARD
CN507(FEMALE)
(See Page 124)
TO
VA-70 BOARD
CN506(FEMALE)
(See Page 124)
TO
FU-104 BOARD
W501
(See Page 182)
FP-295 FLEXIBLE
CN507 (MALE)
CN506 (MALE)
CN509
REC C RF
REC AFM RF
PB RF
Y RF OUT
REC Y
JOG A
HC/HD
SP/LP
VA PB MODE
ME/HP
EDIT
BDP
JOG V0
SYNC DET
A/V GND
DS ON
COMP SYNC
V1 SW
VIDEO 4.9V
RP PB MODE/FSC
SS 4.9V
E/L
SS GND
RF SW
UNREG
1.5M OUT
AUDIO 4.9V
EVF OUT
HIFI/WIND
1.7M OUT
MIC JACK MOND/ST
MOND/ST DET
S IN
DUB AREA
HB INSERT
HB
M UNREG GND
M UNREG GND
DB UNREG GND
DB UNREG GND
DB UNREG
DB UNREG
M UNREG
SS 4.9V
SS GND
VTR DB ON
TALLY
SYS RESET
MECHA CS
DATA TO MASTER
DATA TO SLAVE
SCK
MK CS
SYSTEM SYNC
EE CS
EE SCK
DATA TO EE
DATA TO MODE



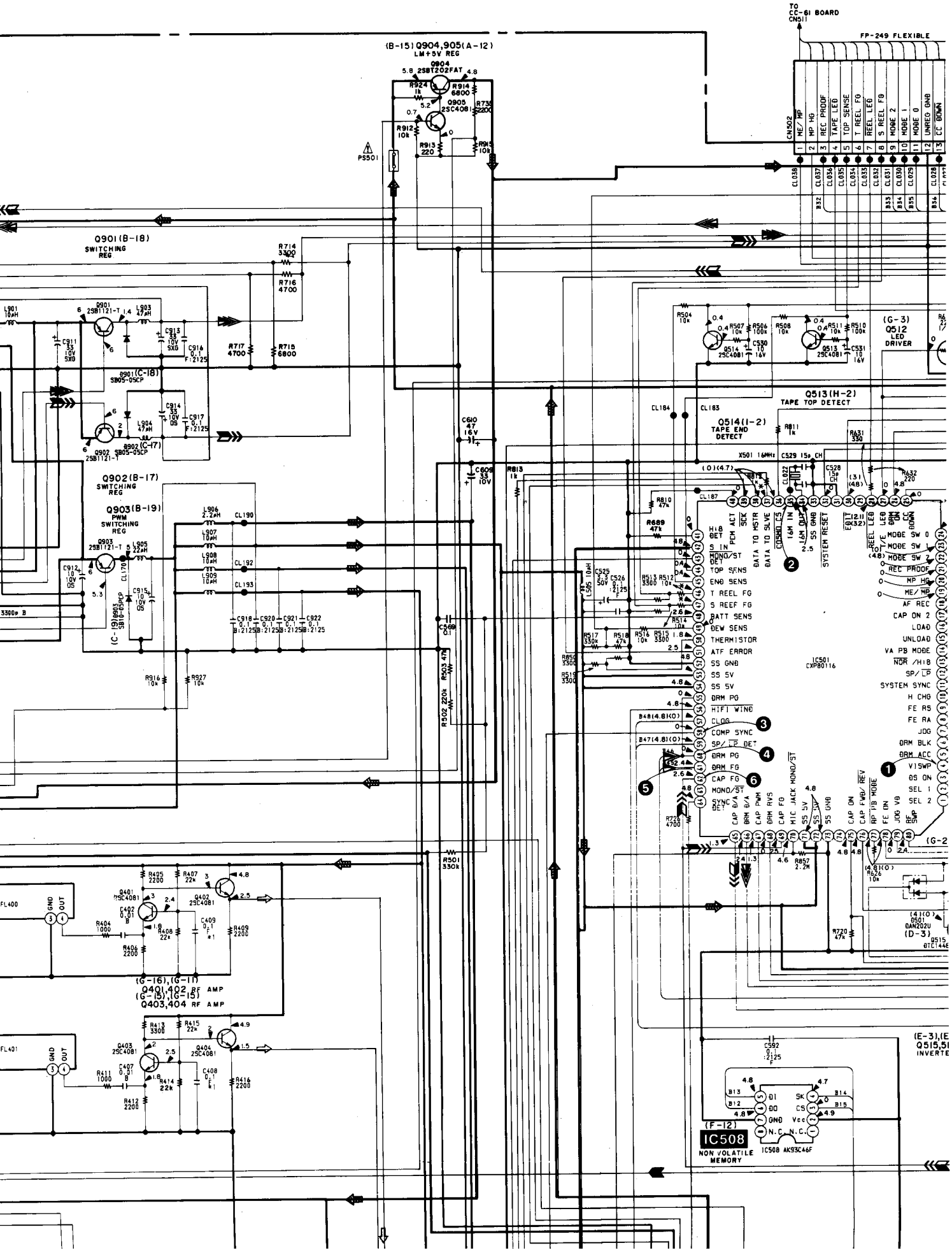
HEMATIC DIAGRAMS

< TRANSIS

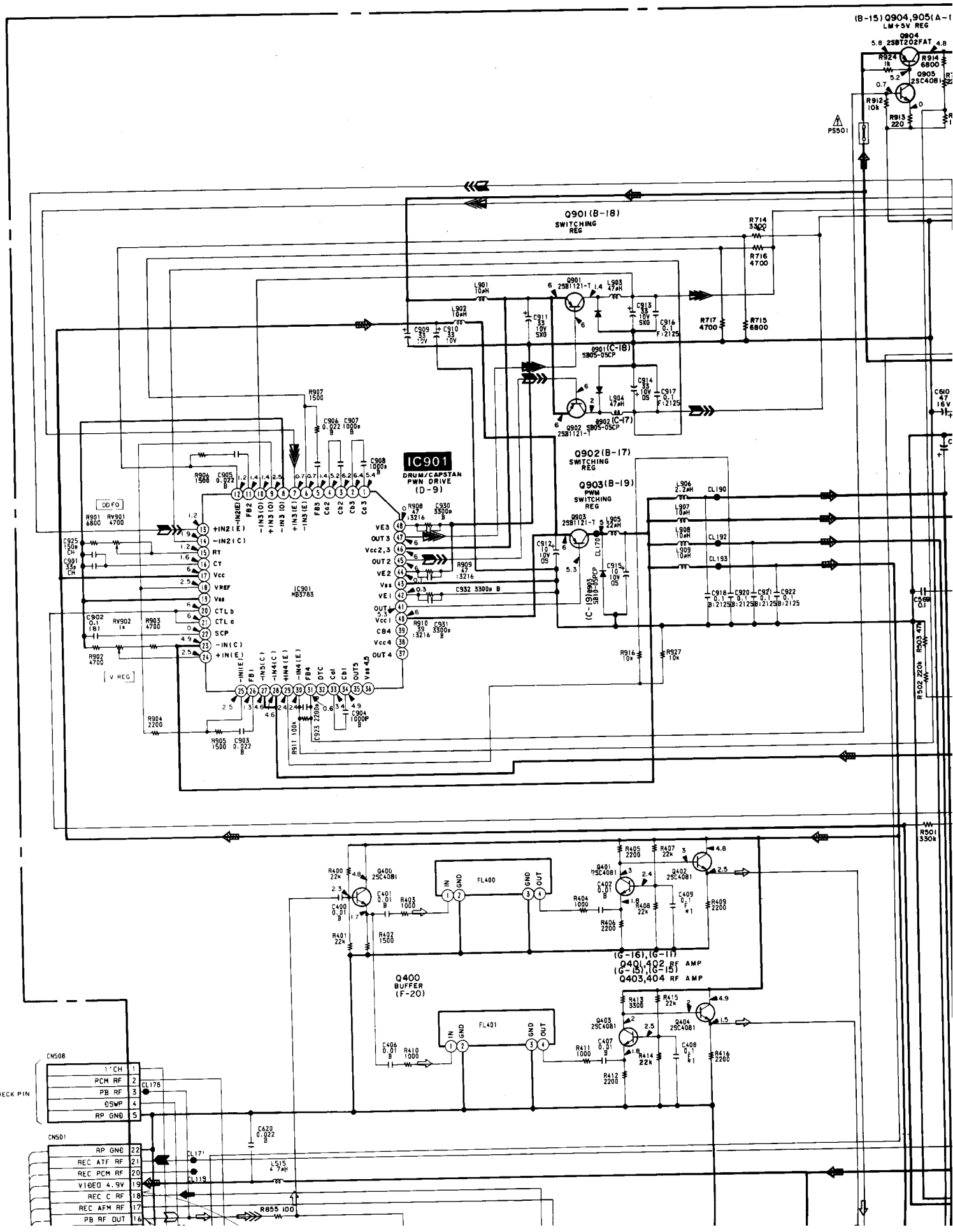
Q301 8-729-906-48 TRANSISTO

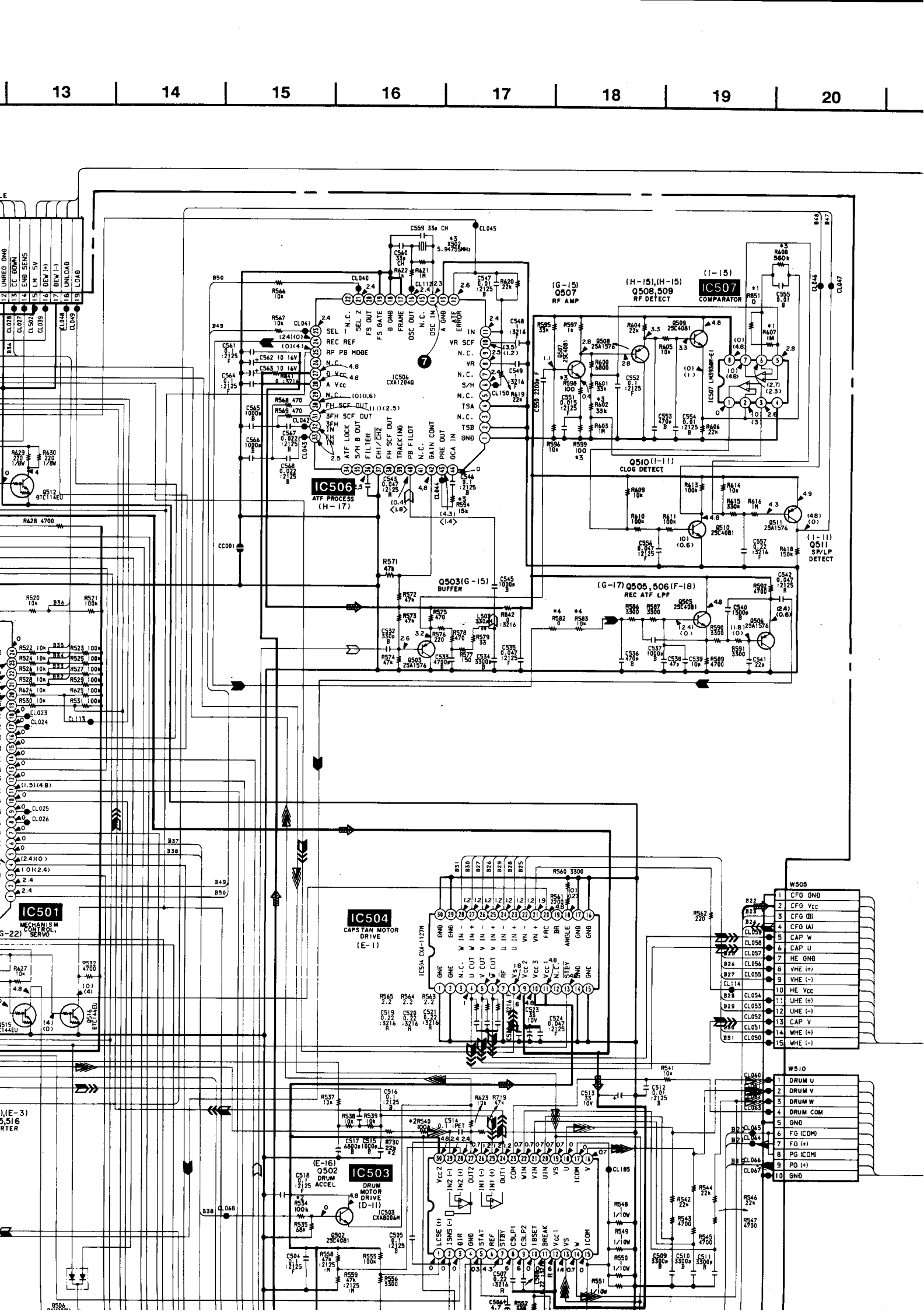

PWN DRIVE
(D-9)
IC901
MB3783
V REG
Q400
BUFFER
(F-20)
CN508
CHECK PIN
1CH
PCM RF
PB RF
OSWP
RP GND
CN501
RP GND
REC ATF RF
REC PCM RF
VIDEO 4.9V
REC C RF
REC AFM RF
PB RF OUT
REC Y RF
CH1 OUT
H CMG
RP PB 2CH
RP PB 1CH
PCM GND
PB PCM RF
PCM SEL
OSWP
E/E
SP/LP
ME/MP
RAMP
FE ON
VA PB MODE
FP-247 FLEXIBLE
FL400
FL401
09

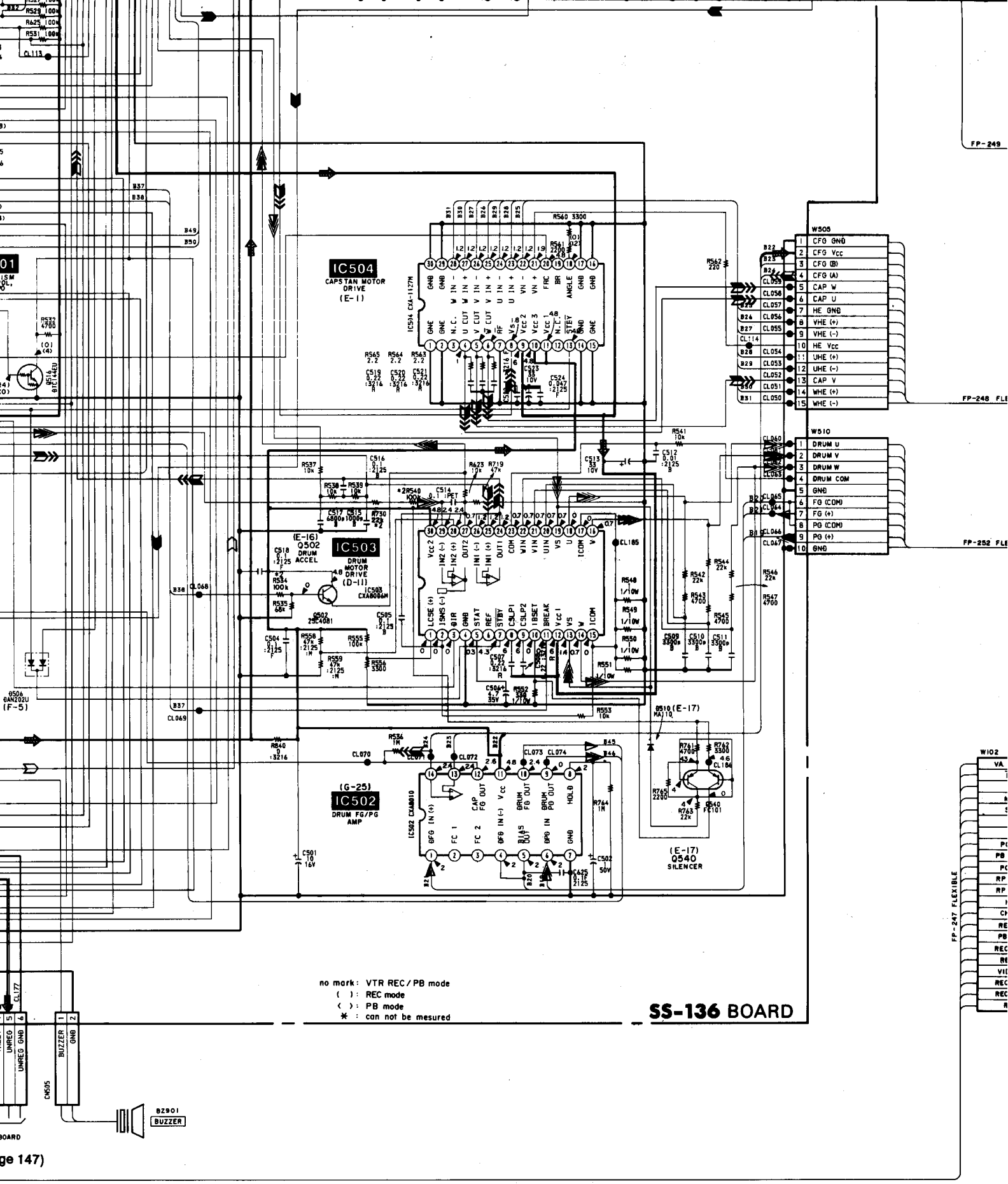
(See Page 162)


TO CC-61 BOARD CN511
FP-249 FLEXIBLE
CN502
1 ME/MP
2 MP HO
3 REC PROOF
4 TAPE LED
5 TOP SENSE
6 T REEL FG
7 REEL LED
8 S REEL FG
9 MODE 2
10 MODE 1
11 MODE 0
12 UNREG GND
13 CC DOWN
(B-15) Q904,905 (A-12) LM+5V REG
Q904 2SB1202FAT
Q905 2SC4081
PS501
Q901 (B-18) SWITCHING REG
Q901 2SB1121-T
Q902 (C-17) 2SB1121-T
Q902 (B-17) SWITCHING REG
Q903 (B-19) PWM SWITCHING REG
Q903 2SB1121-T
(C-18) S805-05CP
(C-19) S805-05CP
(G-3) Q512 LED DRIVER
Q514 2SC4081
Q513 2SC4081
Q513 (H-2) TAPE TOP DETECT
Q514 (I-2) TAPE END DETECT
X501 16MHz
IC501 CXP80116
HI8 DET
S IN
MONO/ST DET
TOP SENS
END SENS
T REEL FG
S REEF FG
BATT SENS
DEW SENS
THERMISTOR
ATF ERROR
SS GND
SS 5V
SS 5V
DRM PG
HIFI WIND
CLOG
COMP SYNC
SP/LP DET
DRM PG
DRM FG
CAP FG
MONO/ST
SYNC DET
PCM ACT
SCK
DATA TO MSTR
DATA TO SLVE
COSHO CS
16M IN
16M OUT
SS GND
SYSTEM RESET
EXIT
REEL LED
MODE SW 0
MODE SW 1
MODE SW 2
REC PROOF
MP HO
ME/MP
AF REC
CAP ON 2
LOAD
UNLOAD
VA PB MODE
NOR/HI8
SP/LP
SYSTEM SYNC
H CHG
FE RS
FE RA
JOG
DRM BLK
DRM ACC
VISWP
OS ON
SEL 1
SEL 2
CAP PWM
DRM RVS
CAP FG
MIC JACK MONO/ST
SS 5V
SS GND
CAP ON
CAP FWD/REV
RP HB MODE
FE IN
JOG VB
RF SW
(G-16),(G-17) Q401,402 RF AMP
(G-15),(G-15) Q403,404 RF AMP
Q401 2SC4081
Q402 2SC4081
Q403 2SC4081
Q404 2SC4081
FL400
FL401
GND
OUT
(F-12) IC508
NON VOLATILE MEMORY
IC508 AK93C46F
N.C.
Vcc
DI
DO
SK
CS
GND
(E-3),(E Q515,51 INVERTE
Q501 DAN202U
(D-3)
Q515 DTC144E

— Ref. No. SS-136 BOARD: 3000 series —



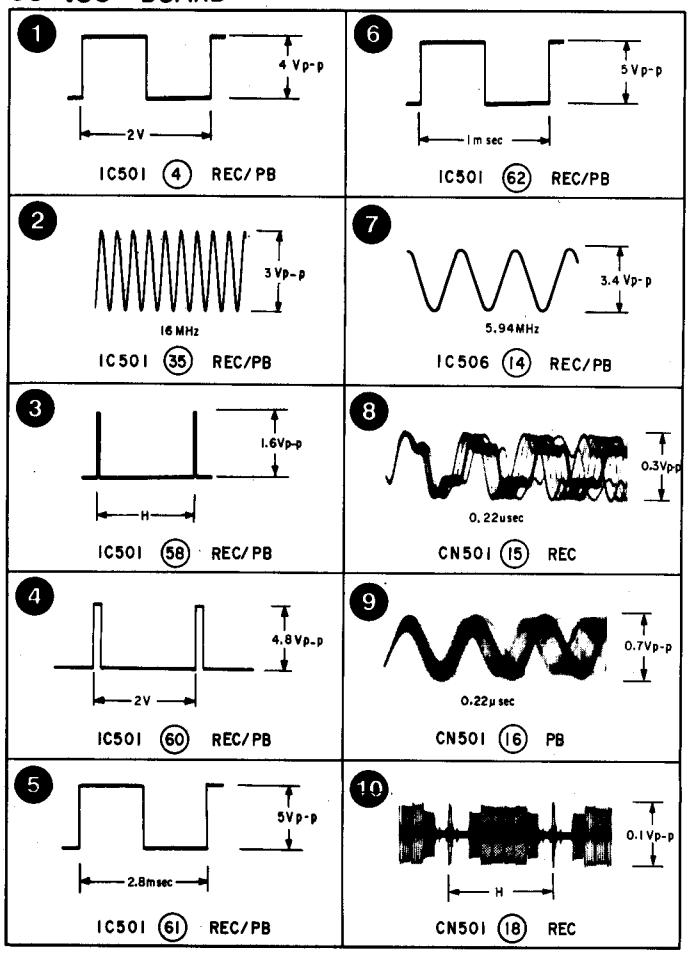

13
14
15
16
17
18
19
20
IC501
MECHANISM CONTROL, SERVO
IC504
CAPSTAN MOTOR DRIVE
(E-1)
IC506
ATF PROCESS
(H-17)
IC507
COMPARATOR
(I-15)
IC503
DRUM MOTOR DRIVE
(D-11)
Q502
DRUM ACCEL
(E-16)
Q503(G-15)
BUFFER
Q505,506(F-18)
REC ATF LPF
(G-17)
Q507
RF AMP
(G-15)
Q508,509
RF DETECT
(H-15),(H-15)
Q510(I-11)
CLOG DETECT
Q511
SP/LP DETECT
(I-11)
W505
CFG GND
CFG Vcc
CFG (B)
CFG (A)
CAP W
CAP U
HE GND
VHE (+)
VHE (-)
HE Vcc
UHE (+)
UHE (-)
CAP V
WHE (+)
WHE (-)
W510
DRUM U
DRUM V
DRUM W
DRUM COM
GND
FG (COM)
FG (+)
PG (COM)
PG (+)
GND

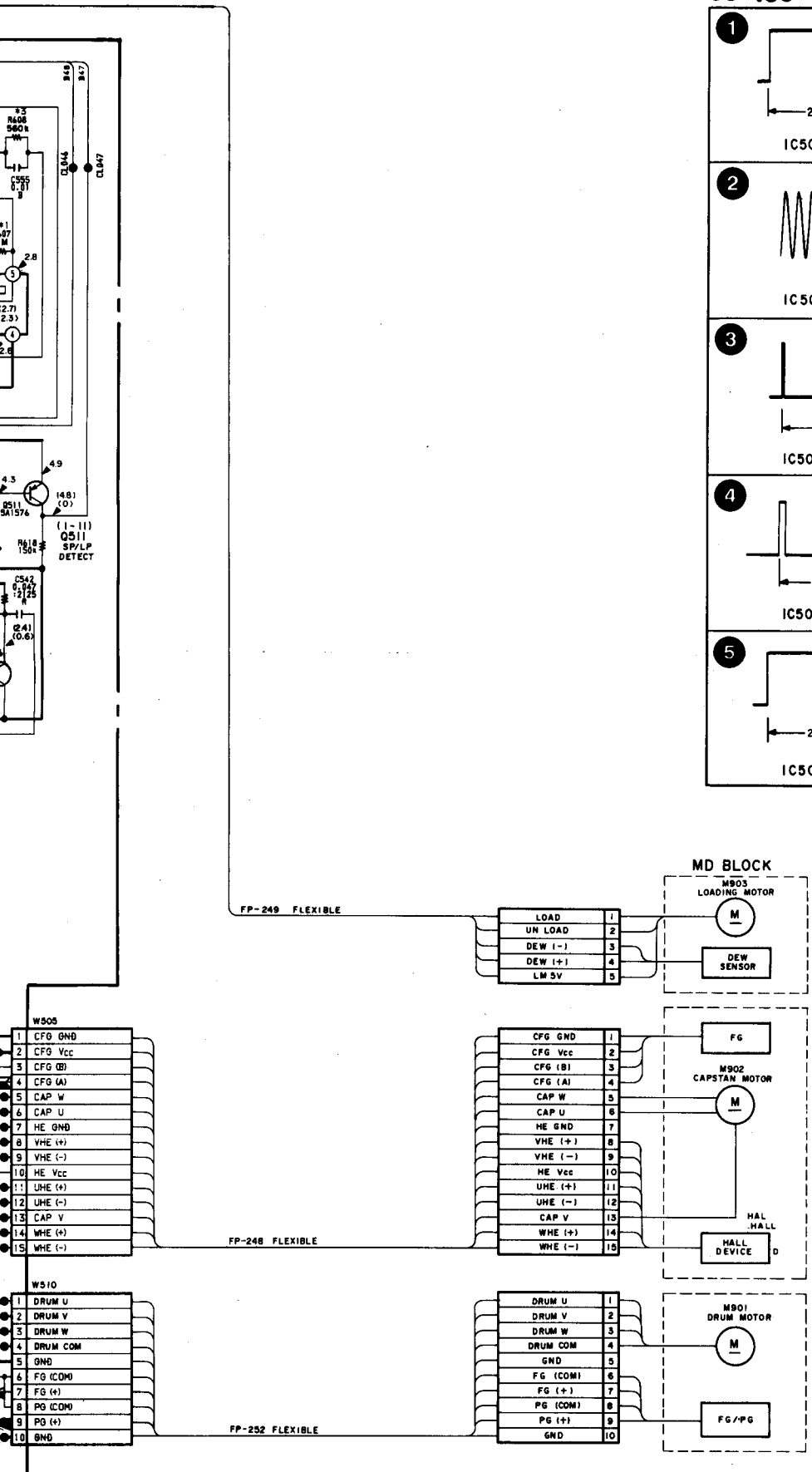

IC504
CAPSTAN MOTOR DRIVE
(E-11)
IC503
DRUM MOTOR DRIVE
(D-11)
IC502
DRUM FG/PG AMP
(G-25)
Q502
DRUM ACCEL
(E-16)
Q540
SILENCER
(E-17)
W505
W510
W102
FP-249
FP-248 FLE
FP-252 FLE
FP-247 FLEXIBLE
CFG GND
CFG Vcc
CFG (B)
CFG (A)
CAP W
CAP U
HE GND
VHE (+)
VHE (-)
HE Vcc
UHE (+)
UHE (-)
CAP V
WHE (+)
WHE (-)
DRUM U
DRUM V
DRUM W
DRUM COM
GND
FG (COM)
FG (+)
PG (COM)
PG (+)
GND
BUZZER
BZ901
BUZZER
CN505
UNREG
GND
no mark: VTR REC / PB mode
( ): REC mode
( ): PB mode
* : can not be mesured
SS-136 BOARD

ge 147)

20 | 21 | 22 | 23 | 24 | 25 | 26 | 27

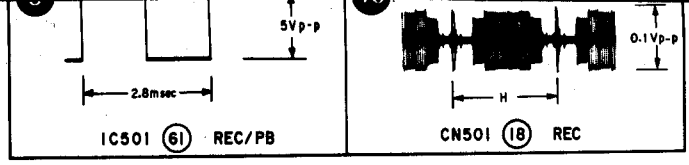
SS-136 BOARD

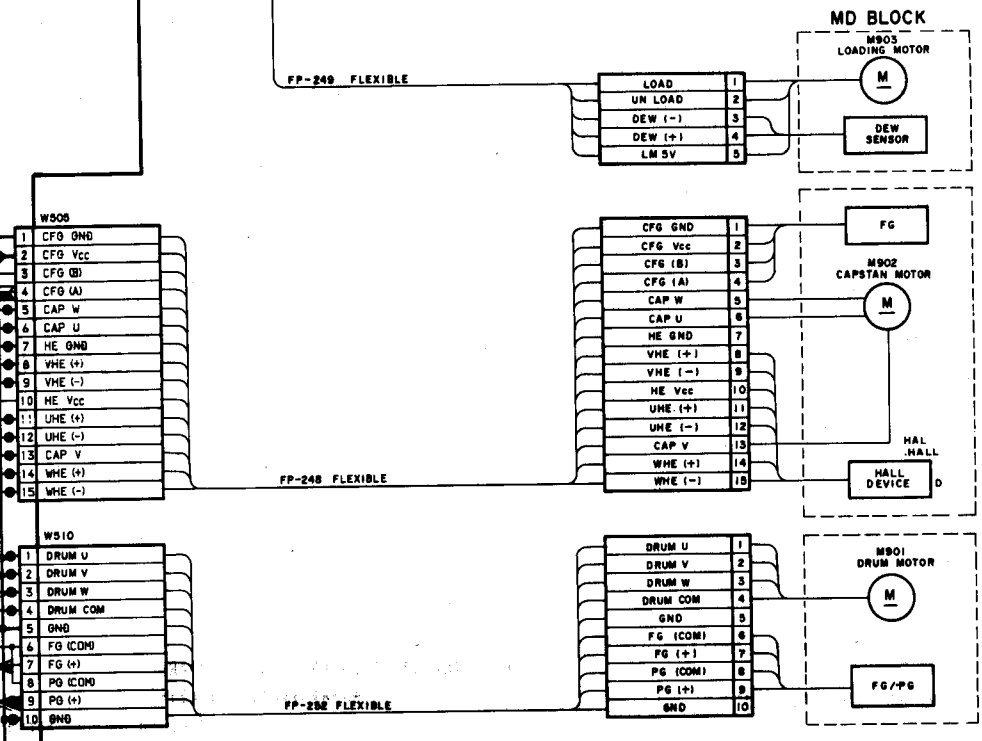




- **SIGNAL PATH**

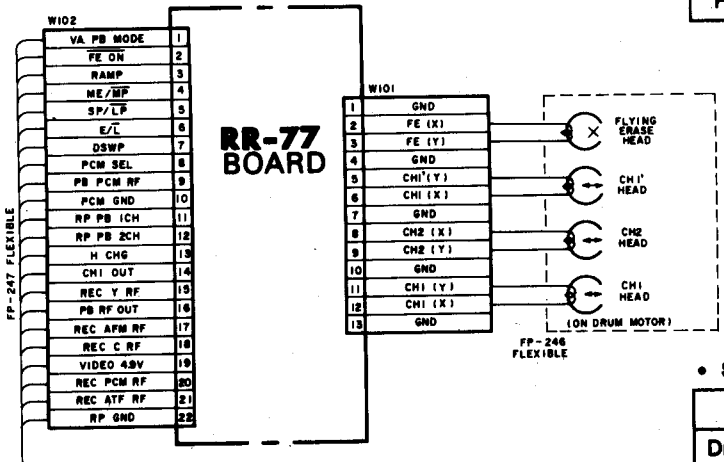
	VIDEO SIGNAL			AUDIO SIGNAL
	CHROMA	Y	Y/CHROMA/DATA	





- **SIGNAL PATH**

	VIDEO SIGNAL			AUDIO SIGNAL
	CHROMA	Y	Y/CHROMA/DATA	
REC	➡	➡		➡
PB			⇨	⇨



- **SIGNAL PATH**

	REC	REC/PB	PB
Drum speed servo		▷	
Drum phase servo		▶	
Drum servo (speed and phase)		▶▶	
Capstan speed servo			
Capstan phase servo			
Capstan servo (speed and phase)		▷»	
Ref. signal	▶		▷